

INTERNATIONAL SEARCH REPORT

International Application No
PCT/JP2005/008464

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C01G25/00 C01G1/02 B01D53/86 B01D53/94 B01J23/10 B01J35/10		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 C01G B01D B01J		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, PAJ		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 12, 5 December 2003 (2003-12-05) & JP 2004 074138 A (TOYOTA MOTOR CORP), 11 March 2004 (2004-03-11) cited in the application abstract paragraph '0030! - paragraph '0031!; figure 1; example 1	1,2,5
Y	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 12, 5 December 2003 (2003-12-05) & JP 2003 277060 A (TOYOTA MOTOR CORP), 2 October 2003 (2003-10-02)	6
A	abstract paragraphs '0008!, '0013! - '0019!; figure 1	1-5
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<div style="display: flex; justify-content: space-between;"> <input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex. </div>		
<div style="display: flex;"> <div style="flex: 1;"> <p>* Special categories of cited documents:</p> <p>*A* document defining the general state of the art which is not considered to be of particular relevance</p> <p>*E* earlier document but published on or after the international filing date</p> <p>*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>*O* document referring to an oral disclosure, use, exhibition or other means</p> <p>*P* document published prior to the international filing date but later than the priority date claimed</p> </div> <div style="flex: 1;"> <p>*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>*&* document member of the same patent family</p> </div> </div>		
Date of the actual completion of the international search		Date of mailing of the international search report
21 October 2005		03/11/2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Siebel, E

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	A.F. HOLLEMANN, E. WIBERG: "Lehrbuch der Anorganischen Chemie" 1995, W. DE GRUYTER, NEW YORK, XP002350463 page 929, paragraphs HYDROPHOBE, KOLLOIDE	6
P, X	EP 1 415 956 A (TOYOTA MOTOR CO LTD 'JP!') 6 May 2004 (2004-05-06) the whole document	1-6

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP2005/008464

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 2004074138	A	11-03-2004	NONE	
JP 2003277060	A	02-10-2003	NONE	
EP 1415956	A	06-05-2004	JP 2004141833 A US 2004087440 A1	20-05-2004 06-05-2004